

Title (en)  
ANTIDEPRESSANT

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Publication  
**EP 1481679 A4 20051123 (EN)**

Application  
**EP 03707169 A 20030228**

Priority  
• JP 0302293 W 20030228  
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Abstract (en)  
[origin: EP1481679A1] Protein kinase B activator comprises a benzofused azole compound (I). Protein kinase B activator comprises a benzofused azole compound of formula (I), its salt or prodrugs. [Image] R 1-R 3H, hydrocarbyl or heterocyclyl, or CR 1R 2a ring; W : optionally substituted benzofused 5-7 membered nitrogenous heterocyclyl attached via N, NR 4R 5 or R 4cX; R 4optionally substituted aliphatic hydrocarbyl (substituted by aromatic group) or acyl (substituted by aromatic group); R 5H, 1-6C alkyl or acyl; R 4caromatic group, aliphatic hydrocarbyl or acyl; X : O or S; Y : O, S or NH, and D : optionally substituted benzene. ACTIVITY : Antidepressant; Tranquilizer; Neuroprotective; Nootropic; Antiparkinsonian; Anticonvulsant; Antidiabetic; CNS-Gen.; Cerebroprotective; Antimicrobial-Gen.; Anti-HIV; Muscular-Gen.; Ophthalmological; Nephrotropic; Hepatotropic; Antiinflammatory; Antialcoholic; Osteopathic. MECHANISM OF ACTION : Protein-Kinase-Stimulator-B. In assays using rat neurons, (+)-5,6-dimethoxy-2-[2,2,4,6,7-heptamethyl-3-(4-methylphenyl)-2,3-dihydro-1-benzofuran-5-yl]isoindoline (Ia) at 1000 nM activated protein kinase B (Akt).

IPC 1-7  
**A61K 31/4035**; C07D 307/79; C07D 405/04; C07D 405/12; C07D 409/12; C07D 491/04; C07D 491/10; A61P 25/00

IPC 8 full level  
**A61P 25/00** (2006.01); **A61P 25/14** (2006.01); **A61P 25/16** (2006.01); **A61P 25/22** (2006.01); **A61P 25/24** (2006.01); **A61P 25/28** (2006.01); **A61P 43/00** (2006.01); **C07D 307/79** (2006.01); **C07D 405/04** (2006.01); **C07D 405/12** (2006.01); **C07D 409/12** (2006.01); **C07D 491/04** (2006.01); **C07D 491/056** (2006.01); **C07D 491/10** (2006.01); **C07D 491/107** (2006.01)

CPC (source: EP KR US)  
**A61K 31/343** (2013.01 - KR); **A61K 31/4035** (2013.01 - KR); **A61K 31/443** (2013.01 - KR); **A61K 31/4709** (2013.01 - KR); **A61P 25/00** (2017.12 - EP); **A61P 25/14** (2017.12 - EP); **A61P 25/16** (2017.12 - EP); **A61P 25/18** (2017.12 - EP); **A61P 25/22** (2017.12 - EP); **A61P 25/24** (2017.12 - EP); **A61P 25/28** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 307/79** (2013.01 - EP US); **C07D 405/04** (2013.01 - EP US); **C07D 405/12** (2013.01 - EP US); **C07D 409/12** (2013.01 - EP US); **C07D 491/04** (2013.01 - EP US); **C07D 491/10** (2013.01 - EP US)

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